

Examples from the Project

1) months where revenue exceeded \$50 million.

Query:

Select

```
DATEPART(YEAR, TransactionDate) As Year,  
DATEPART(MONTH, TransactionDate) As Month,  
ROUND(SUM(Price-Cost), 2) As Monthly_Revenue
```

From

Group By

```
DATEPART(YEAR, TransactionDate), DATEPART(MONTH, TransactionDate)
```

Having

```
SUM(Price)> 50000000
```

Order by

```
Year, Month;
```

Output:

	Year	Month	Monthly_Revenue
1	2002	7	8693235
2	2002	8	8577530
3	2002	10	8867778
4	2003	1	8897440
5	2003	5	8708699
6	2003	7	8714963
7	2003	10	8623298
8	2003	12	8500145
9	2004	4	8470046
10	2004	7	8850701
11	2004	12	8782700

2) top 10 Stores with most sales in 2006

```

SELECT Top 10 StoreID,
ROUND(SUM(price - cost), 2) AS Total_Sales
FROM ██████████
WHERE YEAR(TransactionDate) = 2006
GROUP BY StoreID
ORDER BY total_sales DESC;

```

Output :

Total Sales for 2006

	StoreID	Total_Sales
1	FR239	1309340
2	UK128	1307599
3	CH232	1305093
4	KO221	1305044
5	VZ310	1296712
6	IN489	1290683
7	RW908	1289389
8	OC693	1285393
9	SW245	1278370
10	CH222	1276992

3) Identify the product that is most popular among US buyers.

Query:

```

SELECT top 1
    p.ProductKey,
    p.ProductDescription,
    COUNT(s.Invoice) AS SalesCount
FROM

```

██████████
JOIN

Products\$ p ON s.ProductKey = p.ProductKey

JOIN

Customers\$ c ON s.CustomerKey = c.CustomerKey

WHERE

c.Country = 'US'

GROUP BY

p.ProductKey, p.ProductDescription

ORDER BY

SalesCount DESC

4) The most successful sales channel in terms of total sales value.

Query:

SELECT ChannelKey, SUM(Price) AS TotalSales

FROM ██████████

GROUP BY ChannelKey

ORDER BY TotalSales DESC;

Output:

Results Messages

	ChannelKey	TotalSales
1	6	650297285
2	8	649138071
3	10	647738086
4	1	647707285
5	7	647276615
6	3	646856429
7	4	644579890
8	2	643661855
9	5	642009338
10	9	638736834